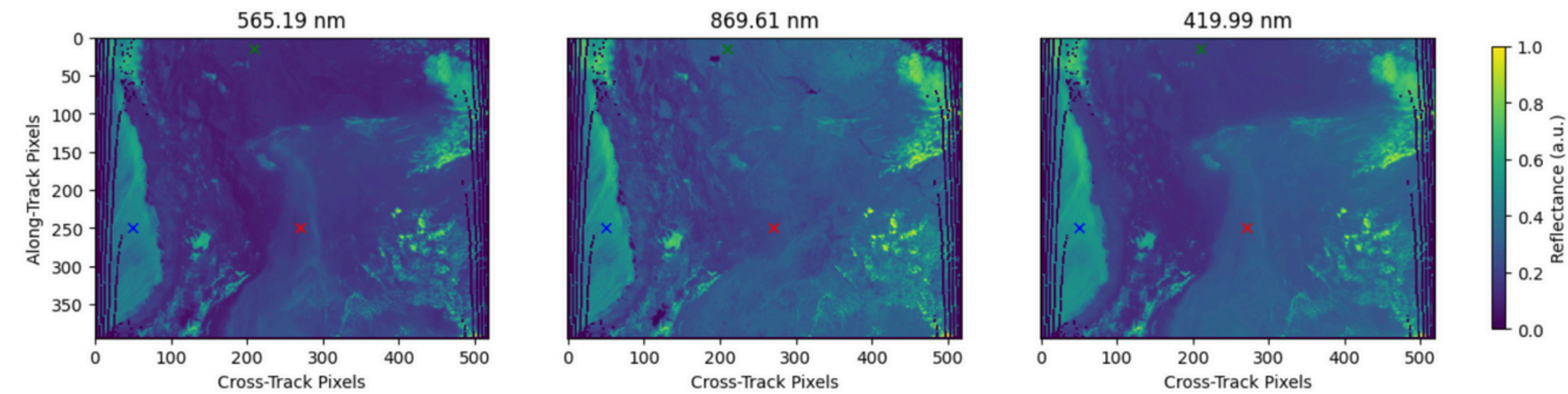
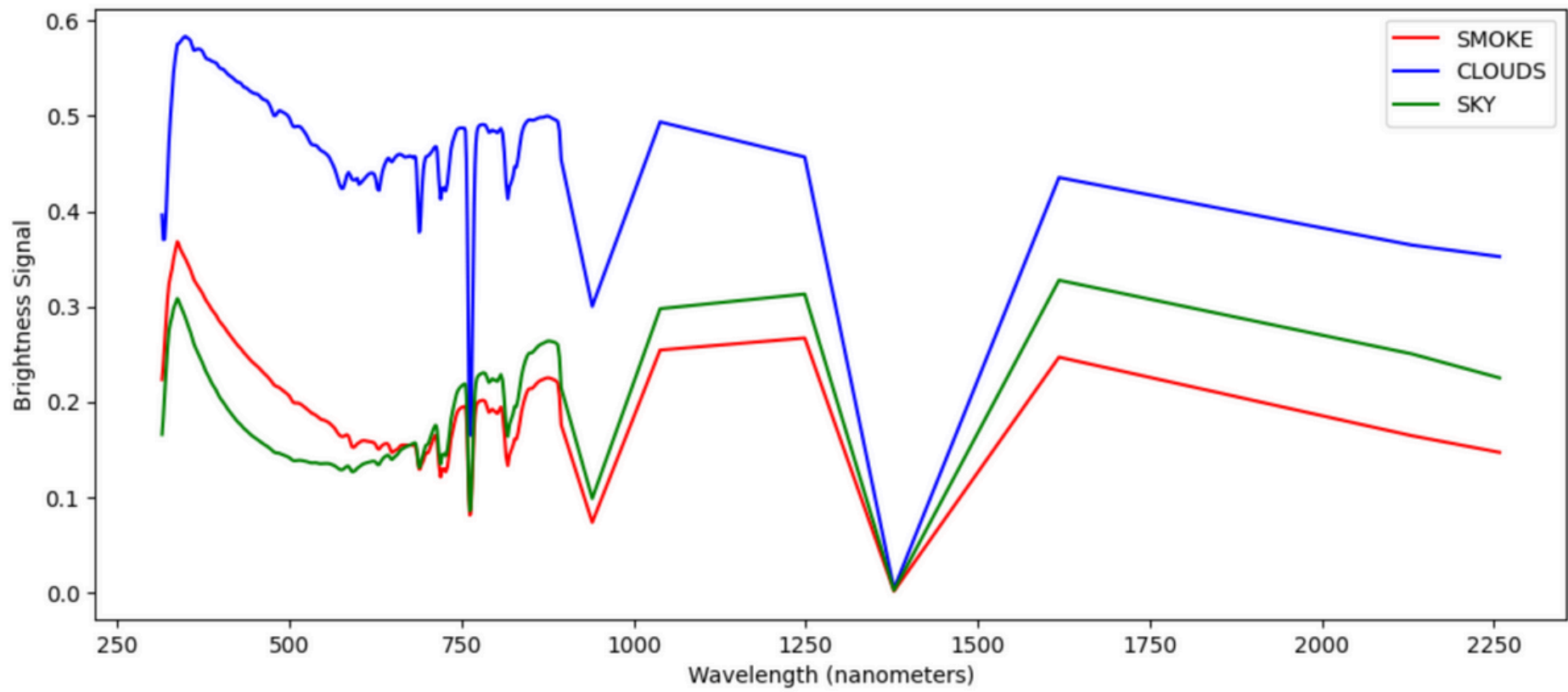


Aerosols

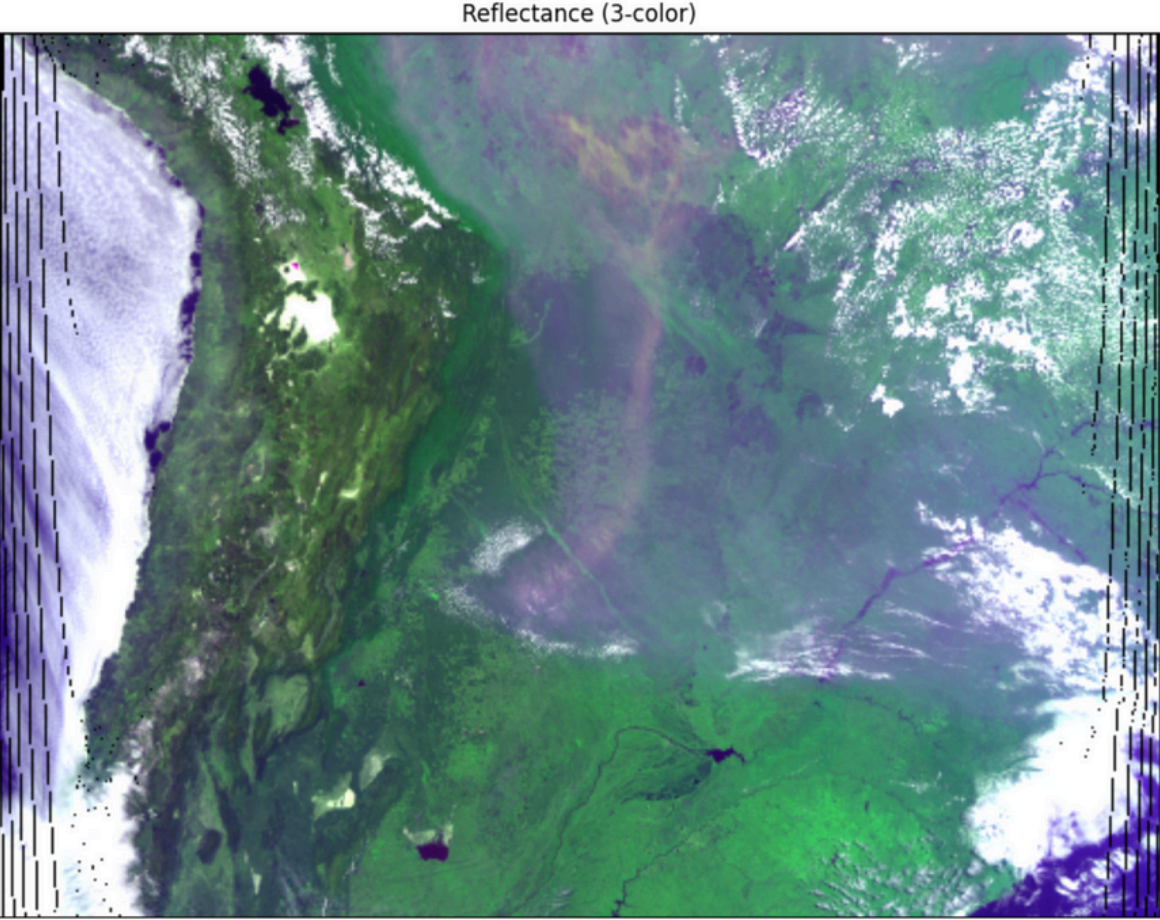
Wildfires in Amazon



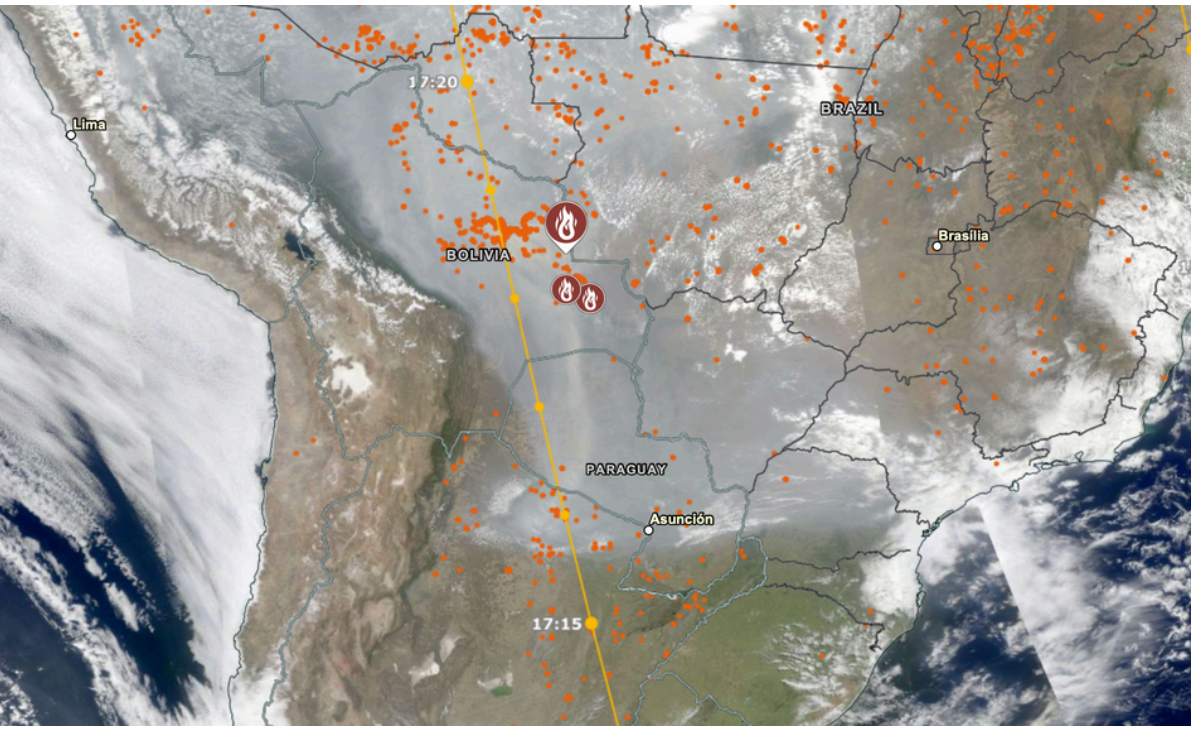
3-Color Composite



Visible Region: 400 - 700 nm
NIR - 700 -2500 nm



RGB Image



Worldview Image- Sept 18, 2024

- Clouds show high reflectance in all wavelengths, as water droplets reflect well.
- There is a huge dip in the 1300 could be due to water vapor, it is not allowing to light to reflect back, it happens to all beacause it passes through same atmosphere.
- The smoke show reflectance in the visible region, as smoke is scattering shorter wavelengths but reflectance drops in NIR as smoke particles absorb more light there.
- where as the vegetation/sky is showing the moderate reflectance in visible light but it is bright in the NIR as vegetation reflects NIR as part of photosynthesis